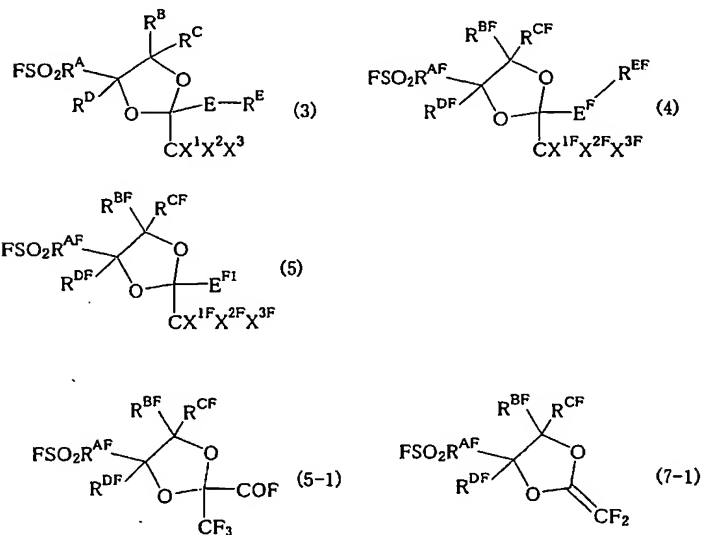


# ABSTRACT OF THE DISCLOSURE

A fluorosulfonyl group-containing compound having a high polymerization reactivity, a process for its production, a sulfonyl group-containing polymerizable monomer led  
 5 from the sulfonyl group-containing compound, and a polymer obtainable by polymerizing the sulfonyl group-containing polymerizable monomer, are provided.

A compound (3) is fluorinated to form a compound (4), and then, the compound (4) is subjected to a  
 10 decomposition reaction to produce a compound (5). A preferred compound (5-1) of the compound (5) is thermally decomposed to produce a compound (7-1) having a high polymerization reactivity.



15 wherein  $\text{R}^{\text{A}}$  is a bivalent organic group such as a fluoroalkylene group,  $\text{R}^{\text{AF}}$  is a group having  $\text{R}^{\text{A}}$  fluorinated, or the same group as  $\text{R}^{\text{A}}$ , each of  $\text{R}^{\text{B}}$  to  $\text{R}^{\text{D}}$  which are independent of one another, is a hydrogen atom, etc.,

each of  $R^{BF}$  to  $R^{DF}$  is a fluorine atom, etc.,  $R^E$  is a monovalent organic group,  $R^{EF}$  is a group having  $R^E$  fluorinated, or the same group as  $R^E$ ,  $E$  is a bivalent connecting group,  $E^F$  is the same group as  $E$ , or a group  
5 having  $E$  fluorinated,  $E^{F1}$  is a group formed by scission of  $E^F$ , each of  $X^1$  to  $X^3$  is a hydrogen atom, etc., and each of  $X^{1F}$  to  $X^{3F}$  is a fluorine atom, etc.